

AMENDMENTS TO THE SPECIFICATION:

Replace the paragraph at page 1, beginning at line 1, with the following amended paragraph:

The object of the invention is a method for shifting the contents of a shortcut key belonging to the user interface of an electronic device to become the contents of a second shortcut key. An object of the invention is also an electronic device ~~utilising~~ utilizing the method, a touch display used in the device, a software application ~~utilised~~ utilized in the device, and a computer program on a data storage means.

Replace the paragraph at page 1, beginning at line 6, with the following amended paragraph:

An electronic device is ~~utilised~~ utilized with the aid of its user interface. In some devices, such as in conventional Personal Computers (PC), the user interface comprises a display and a separate keyboard. The PC can be controlled both through the keyboard and through a separate mouse ~~realising~~ realizing a graphical user interface. There are also such known display solutions where the PC display unit is ~~realised~~ realized by a so-called touch display principle. Then touching a certain part of the display or pushing it with an object, such as a finger, a pen or a pointing pin will activate a function programmed in the device.

Replace the paragraph at page 2, beginning at line 6, with the following amended paragraph:

In conventional cellular network terminals 10 the making of a shortcut menu is ~~realised~~ realized so that with the aid of a menu procedure 12 the user can define shortcut operations, which relate to certain keys/buttons 11. The menu 12 used for creating the shortcuts is opened on the display 13 of the terminal 10. The shortcuts must always be deleted, changed or added using said menu 12. Because it is inconvenient to change the shortcut menu through the menu 12, this contributes to reducing the user's desire to change his or her shortcut menu.

Replace the paragraph at page 2, beginning at line 13, with the following amended paragraph:

In the terminal 10 according to figure 1 it is also possible to ~~utilise~~ utilize a prior art touch screen. Then it is also possible to ~~realise~~ realize the number and function keys 11 using the touch screen techniques. This kind of prior art terminals also ~~utilise~~ utilize the definition of shortcut keys via the menu 12.

Replace the paragraph at page 2, beginning at line 19, with the following amended paragraph:

However, the user of a cellular network terminal, a portable computer or PC has a need to continuously adapt the device in his or her personal use to be such that the desired actions can be performed rapidly and easily. This can be called ~~personalising~~ personalizing the user interface. In practice this means that the most often used or the most important shortcut keys are located at a place in the user interface desired by the user. These user desires may change rapidly, so that an easy method for changing the shortcuts is important. A contributing factor in attaining these objects is, if the changing of an individual terminal's shortcut menu could be made more easily than what is possible in prior art terminals for instance through the menu procedure.

Replace the paragraph at page 2, beginning at line 29, with the following amended paragraph:

An object of present invention is to provide a method and an electronic device ~~utilising~~ utilizing the method, such as a cellular network terminal, a portable computer or PC, where a shortcut menu can be ~~personalised~~ personalized without a prior art selection menu. The shortcut menu according to the invention can be located on the touch screen of the electronic device.

Replace the paragraph at page 3, beginning at line 17, with the following amended paragraph:

The method according to the invention for shifting the contents of a first shortcut key belonging to the shortcut menu of the device's user interface to become the contents of a second shortcut

key is ~~characterised~~ characterized in that the contents of the first shortcut key is shifted to become the contents of the second shortcut key with the drag and drop method.

Replace the paragraph at page 3, beginning at line 22, with the following amended paragraph:

A touch screen according to the invention is ~~characterised~~ characterized in that the shifting of the contents of a first shortcut key into a second shortcut key is arranged to be performed by the drag and drop method.

Replace the paragraph at page 3, beginning at line 25, with the following amended paragraph:

An electronic device according to the invention is ~~characterised~~ characterized in that the shifting of the contents of a first shortcut key on the display of the electronic device to become the contents of a second shortcut key is arranged to be made with the drag and drop method.

Replace the paragraph at page 3, beginning at line 29, with the following amended paragraph:

An application program according to the invention stored in an electronic device is ~~characterised~~ characterized in that the application program comprises software means for performing the shifting of the contents of a shortcut key ~~utilising~~ utilizing the drag and drop method.

Replace the paragraph at page 4, beginning at line 1, with the following amended paragraph:

A computer program according to the invention on a data storage means is ~~characterised~~ characterized in that it comprises software means, which can be used to shift the contents of a shortcut key in the display of the electronic device to become the contents of a second shortcut key ~~utilising~~ the drag and drop method.

Replace the paragraph at page 4, beginning at line 7, with the following amended paragraph:

The basic idea of the invention is as follows: The user interface of the electronic device includes a display and keys, which control the operation of the electronic device. The user interface can also include a shortcut menu, which can be ~~personalised~~ personalized by the user, and with which the functions selected by the user can be executed in one operating procedure when desired. The actual shortcut menu or the shortcut keys used in shaping it are ~~realised~~ realized for instance in the display unit of the electronic device.

Replace the paragraph at page 5, beginning at line 1, with the following amended paragraph:

Figure 2a shows as an example a first embodiment according to the invention in an electronic device ~~utilising~~ utilizing a touch screen unit;

Replace the paragraph at page 5, beginning at line 3, with the following amended paragraph:

Figure 2b shows as an example a second embodiment according to the invention in an electronic device, which does not ~~utilise~~ utilize a touch screen;

Replace the paragraph at page 5, beginning at line 9, with the following amended paragraph:

The invention is described in more detail with the aid of the following exemplary embodiments. A cellular network terminal is used as an example to aid the description. To a person skilled in the art it is obvious that a method according to the invention can be ~~utilised~~ utilized also in other electronic devices having as the user interface either a touch screen or a graphic user interface. The property, which is mentioned in the description below, and which is shifted with the aid of the method according to the invention, is the contents of a key or an icon. In this context the contents means for instance the following objects related to a certain key: the actual function of the key, the appearance of the key on the display in use, a macro instruction, a picture, text, or contact information.

Replace the paragraph at page 6, beginning at line 26, with the following amended paragraph:

The method according to the invention is ~~utilised~~ utilized in the following way. The user wishes for instance to interchange the shortcut keys of mother 22 and father 26 including their contents. In the first phase the user then selects either one of the mentioned shortcut keys by depressing it or by pointing at it for instance by a pen or a finger. If the selected shortcut key is father 26, the user moves the pen along the surface of the touch screen 20 above the shortcut key mother 22. When the pen is on the shortcut key 22 the user raises the pen from the surface of the touch screen 20. Raising the pen causes the contents of the shortcut keys 22 and 26 to be interchanged. Then the situation is such that the father's shortcut is located at the shortcut key 22, and the mother's shortcut is located at the shortcut key 26. Thus the two shortcut keys on the display have interchanged their contents in accordance with the invention.

Replace the paragraph at page 7, beginning at line 8, with the following amended paragraph:

If the user on the other ~~hands~~ hand raises the pen from the touch screen 20 at that shortcut key, which he originally selected by pushing with the pen, in the example above father 26, then there is performed the function relating to said shortcut key, i.e. the device tries to establish a connection to the father's terminal. In a terminal ~~utilising~~ utilizing the method according to the invention the shortcut key function is activated only when the object, such as a finger or pen is raised from the selected shortcut key.

Replace the paragraph at page 7, beginning at line 24, with the following amended paragraph:

Above we described how the invention is ~~utilised~~ utilized in such cellular network terminals, which use a touch screen. It is also possible to ~~utilise~~ utilize the invention in terminals without a touch screen. Figure 2b shows a cellular network terminal 10 representing prior art. The terminal 10 has a display unit 13, which is not a touch screen. The terminal 10 further contains a prior art keyboard 11, a four-way key 14 and keys 17 and 18. In the example of figure 2b the key 17 activates the function "Select" on the display 13, and the key 18 activates the function "Cancel".

Of course the functions selected by the keys 17 and 18 can also be other functions than the alternatives shown in the example of figure 2b.

Replace the paragraph at page 8, beginning at line 26, with the following amended paragraph:

The invention can be applied also in connection with a portable computer, a palm computer or a PC. Then it can be ~~utilised~~ utilized for instance either to shift the contents of icons on the PC's display or also to interchange the macro instructions attached to the physical keyboard. Functionally the shifting of icons on the PC's display unit is almost similar to the case described above in a cellular network terminal, where a shortcut was shifted with the aid a four-way key and one selection key.

Replace the paragraph at page 9, beginning at line 19, with the following amended paragraph:

Figure 3 shows as an exemplary flow diagram the main steps of a method according to the invention, for instance when the invention is ~~utilised~~ utilized in a cellular network terminal. The exemplary touch screen according to figure 2a, which can be ~~utilised~~ utilized in said terminal, is further used to aid the description of the method.

Replace the paragraph at page 10, beginning at line 19, with the following amended paragraph:

The steps of the method in figure 3 can be ~~realised~~ realized in the terminal by an application program according to the invention stored in the terminal. If the terminal comprises several modules, the application program according to the invention can be included for instance also in the control electronics belonging to the touch screen.

Replace the paragraph at page 10, beginning at line 23, with the following amended paragraph:

Of course the method according to figure 3 can be ~~utilised~~ utilized in any electronic device with a user interface including a display and a keyboard. The display can be either a touch screen or a conventional display using a graphic user interface. Examples of such devices are a PC, a portable computer, a palm computer or the like. The application of the invention in these requires an application program, which ~~realises~~ realizes the functions presented in the flow diagram of figure 3.

Replace the paragraph at page 10, beginning at line 29, with the following amended paragraph:

Figure 4 shows as an exemplary flow diagram a cellular network terminal 40, where the method according to the invention can be ~~utilised~~ utilized. The terminal 40 shown in figure 4 uses the antenna 41 in transmitting and receiving signals to and from the cellular network serving the terminal. The reference numeral 42 represents means forming a receiver RX, with which the terminal 40 receives messages from the cellular network serving it. The receiver RX comprises prior art means for all received messages or signals.

Replace the paragraph at page 11, beginning at line 6, with the following amended paragraph:

The terminal 40 includes a control unit 44 controlling its operation. It controls the operation of all main components belonging to the terminal 40. It controls both the transmission and reception functions. It controls also the terminal's user interface UI 46, which also can comprise a touch screen, and the memory 45 belonging to the terminal. The application program according to the invention can be stored in the terminal's 40 memory 45, from where the central processing unit 44 of the terminal 40 then can ~~utilise~~ utilize the program.

Replace the paragraph at page 11, beginning at line 17, with the following amended paragraph:

In another embodiment of the invention the application program required by the method according to the invention is included in the control module of the touch screen belonging the terminal's user interface 46. The control module can be ~~realised~~ realized by some prior art

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manufacturing method. In this embodiment the control module of the touch screen takes care of at least a part of the procedures required by the method according to the invention. In this embodiment at least a part of the application program according to the invention is stored in the control module.